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POKER DICE PROGRAM

A reader who does not wish to be named has sent in a Poker Dice Program but it is too long to include in Ve Zee News. The listing takes up five pages so if you would like a copy please send me a stamped self addressed envelope, or if you want the program on tape send $5.

The program uses high resolution graphics to display the dice, has some sound and determines the winning hand.

I found it most interesting and the VZ 200 makes quite an opponent.

A FEW CORRECTIONS

"Geography" Issue #3

Any line that prints on the last line of the video display should have a ; after the PRINT to stop a line feed.

"Biorythms" Issue #5

Line 270 contains a GOSUB 710 but there is no line 710. The program still works because this GOSUB is only used if you are more than 600 years old and I don't think any of you are. I suspect the author intended to print a note pointing out that you should not be concerned about your biorythms if you have lasted this long, but then forgot to put it in.

Issue #3 page 4

The short program in the bottom left should have line numbers.

```
001 ;IF THE PRINTER WONT WORK
002 ;WITH AN EARLY VERSION VZ
003 ;AND THE EDITOR/ASSEMBLER,
004 ;MODIFY THE ASSEMBLER WITH
005 ;THIS PROGRAM. B.H.05/01/85
006        LD    HL,8F52H
007        LD    (HL),0CDH
008        INC   HL
009        LD    (HL),8DH
010        INC   HL
011        LD    (HL),5H
012        LD    HL,8F5EH
013        LD    (HL),0
014        JP    7B00H
```

Tips

For double precision multiplication instead of using last issues subroutine to prevent errors you can divide by the reciprocal. This avoids multiplication but gives the same result.

J Caulder

When pinting formated numbers greater than one million with the 'PRINT USING"######,.##";X' comand an extra # must be used to allow for the comma between the millios and hundred thousands digits.

ie if X=1234567.89
then PRINT USING"#######,.##";X
gives *1,234,567.89
and PRINT USING"#######,.##";X
gives 1,234,567,89

J.J.H

VZ Basic version 2.0 colour changes for text mode are as follows.

COLOR,0
POKE30744,0 gives black on light green
POKE30744,1 gives white on dark green

COLOR,1
POKE30744,0 gives black on orange
POKE30744,1 gives orange on red

HELP

I HAVE A CHEQUE FOR $10 FROM THE ADELAIDE BRANCH OF THE HINDMARSH BUILDING SOCIETY DATED 7-12-84. THE CHEQUE NUMBER IS 854262 AND THE REF. NUMBER IS 545419. I'VE LOST THE LETTER YOU SENT WITH IT

ANOTHER RON CARSON PROGRAM.

```
5 CLS
7 CLEAR 7000
10 PRINT:PRINTTAB(11)"[illegible]"
20 PRINT:PRINT"NUMBER OF COLUMNS IN GAME"
30 INPUT C
40 PRINT:PRINT"NUMBER OF ROWS IN GAME"
50 INPUT R
60 PRINT:PRINT"NUMBER OF WORDS TO FIND"
70 INPUT N
80 '
90 DIML$(C,R)
100 DIMW$(N)
110 DIMA$(26)
120 LETA$(1)="A"
130 A$(2)="B"
140 A$(3)="C"
150 A$(4)="D"
160 A$(5)="E"
170 A$(6)="F"
180 A$(7)="G"
190 A$(8)="H"
200 A$(9)="I"
210 A$(10)="J"
220 A$(11)="K"
230 A$(12)="L"
240 A$(13)="M"
250 A$(14)="N"
260 A$(15)="O"
270 A$(16)="P"
280 A$(17)="Q"
290 A$(18)="R"
300 A$(19)="S"
310 A$(20)="T"
320 A$(21)="U"
330 A$(22)="V"
340 A$(23)="W"
350 A$(24)="X"
360 A$(25)="Y"
370 A$(26)="Z"
380 Y=0
390 FORI=1TOC
400 FORJ=1TOR
410 L$(I,J)="."
420 NEXTJ
430 NEXTI
440 FORK=1TON
450 PRINT:PRINT"ENTER WORD";
460 PRINT K;:INPUT W$(K)
470 GOSUB670
480 NEXTK
490 PRINT:PRINT"I'LL SHOW YOU WHERE I'VE HIDDEN"
495 PRINT"THE WORDS IF YOU SAY PLEASE."
500 INPUTG$
510 IFG$<>"PLEASE"THEN530
520 GOSUB600
530 GOSUB1450
540 LPRINT
550 LPRINT
560 GOSUB600
570 '
580 PRINT"TRY AGAIN   Y=YES - N=NO)
581 INPUTW$
582 IFW$="Y"CLS:GOTO10
583 IFW$="N"THEN1590
590 '
600 FORJ=1TOR
610 FORI=1TOC
620 LPRINTL$(I,J)" ";
630 NEXTI
640 LPRINT
650 NEXTJ
660 RETURN
670 '
680 '
690 '
700 L0=LEN(W$(K))
710 '
720 LETT=1
730 IFT<100THEN760
740 PRINT"I CAN'T FIT THE WORDS IN - SORRY TRY AGAIN "
750 GOTO580
760 P=1
770 P0=1
780 Q=-1
790 IFRND(Y)<=.5THEN810
800 LET Q=1
810 Q0=-1
820 IFRND(Y)<=.5THEN840
830 Q0=1
840 D=2
850 IFQ<>1THEN870
860 P=0
870 IFQ0<>1THEN890
880 P0=0
890 IFRND(Y)<.75THEN910
900 D=1
910 IFRND(Y)>.25THEN930
920 D=0
930 '
940 C0=C
950 R0=R
960 IFD<>1THEN980
970 R0=R-L0
980 IFD<>0THEN1000
990 C0=C-L0
1000 IFD<=1THEN1030
1010 R0=R-L0
1020 C0=C-L0
1030 IFC0<>CTHEN1050
1040 P0=0
1050 IFR0<>RTHEN1070
1060 P=0
1070 Z1=(RND(Y)*R0/100+.01)*100+P*L0
1080 Z2=(RND(Y)*C0/100+.01)*100+P0*L0
1090 X1=INT(Z1)
1100 X2=INT(Z2)
1110 '
1120 IFD=1THEN1340
1130 IFD=0THEN1240
1140 FORI=1TOL0
1150 IFL$(X2+(I-1)*Q0,X1+(I-1)*Q)="."THEN1170
1160 IFL$(X2+(I-1)*Q0,X1+(I-1)*Q)<>MID$(W$(K),I,1)THEN710
1170 NEXTI
1180 T=0
1190 FORI=1TOL0-1
1200 LETL$(X2+I*Q0,X1+I*Q)=MID$(W$(K),I+1,1)
1210 NEXTI
1220 L$(X2,X1)=MID$(W$(K),1,1)
1230 GOTO1430
1240 FORI=1TOL0
1250 IFL$(X2+(I-1)*Q0,X1)="."THEN1270
1260 IFL$(X2+(I-1)*Q0,X1)<>MID$(W$(K),I,1)THEN710
1270 NEXTI
1280 T=0
1290 FORI=1TOL0-1
1300 L$(X2+I*Q0,X1)=MID$(W$(K),I+1,1)
1310 NEXTI
1320 L$(X2,X1)=MID$(W$(K),1,1)
1330 GOTO1430
1340 FORI=1TOL0
1350 IFL$(X2,X1+(I-1)*Q)="."THEN1370
1360 IFL$(X2,X1+(I-1)*Q)<>MID$(W$(K),I,1)THEN710
1370 NEXTI
1380 T=0
1390 FORI=1TOL0-1
1400 L$(X2,X1+I*Q)=MID$(W$(K),I+1,1)
1410 NEXTI
1420 L$(X2,X1)=MID$(W$(K),1,1)
1430 RETURN
1440 '
1450 FORI=1TOC
1460 FORJ=1TOR
1470 IFL$(I,J)<>"."THEN1500
1480 Z1=(RND(Y)*.26+.01)*100
1490 L$(I,J)=A$(INT(Z1))
1500 NEXTJ
1510 NEXTI
1520 '
1530 LPRINT:LPRINT
1540 LPRINT"WORD LIST":LPRINT
1550 FORK=1TON
1560 LPRINTW$(K)
1570 NEXTK
1580 RETURN
1590 CLS:END
```

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BY. STEVE DEBRECENY

```
 10 CLS
 12 PRINT@231,"[illegible]"
 14 SOUND30,1;28,1;25,1;23,1;20,1;18,1;15,1;13,1;10,1;13,1;15,1
 16 SOUND18,1;20,1;23,1;25,1;28,1;30,1;0,9;0,9
 18 PRINT@292,"A GAME FOR TWO PLAYERS."
 20 SOUND10,1;15,2;0,9;0,9;0,9:CLS
 22 PRINT@128," USING JOYSTICKS, MOVE YOUR"
 24 PRINT@160,"PLAYER THRU THE MAZE AS FAST AS"
 26 PRINT@192,"POSSIBLE TO CAPTURE POT OF GOLD.":SOUND15,1;10,2
 28 FORI=1TO8:SOUND0,4:NEXT
 30 CLS
 50 REM !!PRINT MAZE OUTLINE
 52 FORI=0TO30:POKE28672+I,159:POKE29056+I,159:NEXT
 54 FORI=32TO352STEP32:POKE28672+I,159:POKE28702+I,159:NEXT
 56 FORI=2TO8:POKE28718+I*32,159:POKE28720+I*32,159:NEXT
 60 REM !!SELECT MAZE AND PRINT
 62 FORI=2TO28STEP2:G=RND(10)-1:IFI>12ANDI<18THEN68
 64 FORJ=0TO10
 66 IFJ=GTHENPOKE28704+I+J*32,32ELSEPOKE28704+I+J*32,159
 68 NEXT:NEXT
 70 REM !!PRINT SCORES
 72 POKE29120,191:POKE29141,239
 74 PRINT@450,"SCORE::":PRINT@470,"SCORE::":GOSUB76:GOTO80
 76 PRINT@457,"";:PRINTUSING"##";LS
 78 PRINT@477,"";:PRINTUSING"##";RS:RETURN
 80 REM !!PRINT PLAYERS AND GOLD
 82 POKE28879,255
 84 LP=28865:RP=28893:POKELP,191:POKERP,239:SOUND30,1
 100 REM !!MAIN LOOP
 102 IFNOT(N=43)THENN=43ELSEN=46
 104 A=(INP(N)AND31):IFA=31THEN100
 106 IFA=23THENM=1:GOTO120
 108 IFA=29THENM=32:GOTO120
 110 IFA=27THENM=-1:GOTO120
 112 IFA=30THENM=-32:GOTO120
 114 GOTO100
 120 IFN=46THEN140
 130 REM !!LEFT PLAYER MOVES
 132 IFLP+M=28879THENLS=LS+1:POKELP,32:POKE28879,191:GOTO150
 134 IFPEEK(LP+M)<>32THEN100
 136 POKELP,32:LP=LP+M:POKELP,191:GOTO100
 140 REM !!RIGHT PLAYER MOVES
 142 IFRP+M=28879THENRS=RS+1:POKERP,32:POKE28879,239:GOTO150
 144 IFPEEK(RP+M)<>32THEN100
 146 POKERP,32:RP=RP+M:POKERP,239:GOTO100
 150 REM !!WIN AND SCORE ADJUST
 152 F=PEEK(28879)
 154 FORI=1TO7
 156 IFI=INT(I/2)*2THENPOKE28879,F:SOUND15,2:GOSUB76:GOTO160
 158 POKE28879,32:SOUND25,2:GOSUB76
 160 NEXT
 162 POKELP,32:POKERP,32
 164 IFLS=25THEN168ELSE166
 166 IFRS=25THEN176ELSE60
 168 FORI=1TO20:IFI=INT(I/2)*2THENPOKE29120,191:SOUND0,1:GOTO172
 170 POKE29120,32:SOUND30,1
 172 NEXT
 174 GOTO182
 176 FORI=1TO20:IFI=INT(I/2)*2THENPOKE29141,239:SOUND0,1:GOTO180
 178 POKE29141,32:SOUND30,1
 180 NEXT
 182 CLS:SOUND15,1;10,2:END
```

ALL THIS PAGE IS BY B. HUBBLE.

```
001 ;**BYTESCAN V1.0**B.HUBBLE**
002 ;THIS ASSEMBLER PROGRAM WILL
003 ;SEARCH THROUGH MEMORY FOR A
004 ;SEQUENCE OF THREE BYTES AND
005 ;DISPLAY THE MEMORY LOCATION
006 ;OF EACH INCIDENCE. THE BYTE
007 ;SEQUENCE YOU WISH TO SEARCH
008 ;FOR  MUST BE INSERTED  INTO
009 ;LINES 21,26,AND 31 (IN THIS
010 ;EXAMPLE 0C3H,00H,7BH = JUMP
011 ;7B00H).
012       CALL 1C9H
013       LD   DE,70A1H
014       LD   HL,0FFFFH
015 LOOP  INC  HL
016       LD   A,H
017       CP   0C0H
018       JP   Z,EXIT
019       LD   A,(HL)
020 ;1ST  BYTE
021       CP   0C3H
022       JP   NZ,LOOP
023       INC  HL
024       LD   A,(HL)
025 ;2ND  BYTE
026       CP   0000H
027       JP   NZ,LOOP
028       INC  HL
029       LD   A,(HL)
030 ;3RD  BYTE
031       CP   07BH
032       JP   NZ,LOOP
033       DEC  HL
034       DEC  HL
035       LD   A,H
036       CALL SCRN
037       INC  DE
038       LD   A,L
039       CALL SCRN
040       INC  DE
041       INC  DE
042       INC  DE
043       INC  DE
044       INC  DE
045       INC  HL
046       INC  HL
047       JP   LOOP
048 EXIT  LD   A,E
049       CP   0A1H
050       JP   Z,NONE
051       LD   HL,MES
052       LD   BC,06H
053       LDIR
054       JP   7B00H
055 NONE  LD   HL,MES2
056       LD   BC,011H
057       LDIR
058       JP   7B00H
059 SCRN  LD   B,02FH
060 LOUP  INC  B
061       SUB  10H
062       JP   NC,LOUP
063       PUSH AF
064       LD   A,B
065       CP   3AH
066       JP   M,NUM1
067       ADD  A,07H
068       RES  6,A
069 NUM1  LD   (DE),A
070       POP  AF
071       ADD  A,40H
072       CP   3AH
073       JP   M,NUM2
074       ADD  A,07H
075       RES  6,A
076 NUM2  INC  DE
077       LD   (DE),A
078       RET
079 MES   EQU  $
080 *FINISH*
081 MES2  EQU  $
082 *NO SEQUENCE FOUND*
083 MES3  EQU  $
```

```
10 'BASIC MERGE V1.2 WRITTEN BY B.HUBBLE 05JAN85
20 'THIS PROGRAM WILL MERGE TWO BASIC PROGRAMS,NORMALLY A PROGRAM
30 'AND A SUB-ROUTINE. THE HIGHEST LINE NUMBER OF THE PROGRAM
40 'MUST BE LOWER THAN THE FIRST LINE NUMBER OF THE SUB-ROUTINE.
50 M=-16384:FORX=1TO187:READA:POKEM,A:M=M+1:NEXT
60 POKE30862,0:POKE30863,192:X=USR(0)
100 DATA1,115,0,33,95,54,17,0,193,237,176,221,33,0,193,221,54
110 DATA116,201,205,201,1,33,122,192,17,160,112,1,16,0,237,176
120 DATA33,14,0,205,0,193,42,249,120,17,233,122,237,82,34,0,194
130 DATA237,75,0,194,197,17,0,176,33,233,122,237,176,205,201,1
140 DATA33,138,192,17,160,112,1,12,0,237,176,33,14,0,205,0,193
150 DATA193,237,91,249,120,27,27,33,0,176,213,197,237,176,193
160 DATA209,235,237,74,34,249,120,205,201,1,33,150,192,17,160
170 DATA112,1,37,0,237,176,195,25,26,76,79,65,68,32,83,85,66,45
180 DATA82,79,85,84,73,78,69,76,79,65,68,32,80,82,79,71,82,65,77
190 DATA78,79,87,32,69,78,84,69,82,32,84,72,69,32,70,79,76,76,79
200 DATA87,73,78,71,32,76,73,78,69,58,45,32,32,48,32,67,76,83
```